

Inverse Problems: Computational Methods and Emerging Applications Tutorials

Tuesday September 9, 2003

- 9:00–10:30 **Heinz Engl** (Johannes Kepler University, Austria)
Regularization Methods I
- 10:30–11:00 *Break*
- 11:00–11:45 **Joyce McLaughlin** (Rensselaer Polytechnic Institute)
Interior Elastodynamics Inverse Problems I
- 11:45–2:00 *Lunch (on your own)*
- 2:00–2:45 **George Papanicolaou** (Stanford University)
Time Reversal I
- 2:45–3:15 *Break*
- 3:15–4:00 **Joyce McLaughlin** (Rensselaer Polytechnic Institute)
Interior Elastodynamics Inverse Problems II

Wednesday September 10, 2003

- 9:00–10:30 **George Papanicolaou** (Stanford University)
Time Reversal II
- 10:30–11:00 *Break*
- 11:00–11:45 **Joyce McLaughlin** (Rensselaer Polytechnic Institute)
Inverse Spectral Problems I
- 11:45–2:00 *Lunch (on your own)*
- 2:00–2:45 **Kuo-Nan Liou** (UCLA)
Inverse Problems in Atmospheric Science I
- 2:45–3:15 *Break*
- 3:15–4:00 **Kayo Ide** (UCLA)
Inverse problems associated with 4D data assimilation



Thursday September 11, 2003

- 9:00–10:30 **Heinz Engl** (Johannes Kepler University, Austria)
Regularization Methods II
- 10:30–11:00 *Break*
- 11:00–11:45 **Liliana Borcea** (Rice University)
Impedence Tomography I
- 11:45–2:00 *Lunch (on your own)*
- 2:00–2:45 **Joyce McLaughlin** (Rensselaer Polytechnic Institute)
Inverse Spectral Problems II
- 2:45–3:15 *Break*
- 3:15–4:00 **Liliana Borcea** (Rice University)
Impedence Tomography II

Friday September 12, 2003

- 9:00–10:30 **Liliana Borcea** (Rice University)
Impedence Tomography III
- 10:30–11:00 *Break*
- 11:00–11:45 **Martin Burger** (UCLA)
Level Set Methods in Inverse Obstacle Problems I
- 11:45–2:00 *Lunch (on your own)*
- 2:00–2:45 **Martin Burger** (UCLA)
Level Set Methods in Inverse Obstacle Problems II
- 2:45–3:15 *Break*
- 3:15–4:00 **Martin Burger** (UCLA)
Level Set Methods in Inverse Obstacle Problems III